

CLAIMS

We claim:

1. A debris protective device for vehicle wheels and axles, comprising:

an annular planar device, made of structurally resilient material, mounted inside a wheel, and extending from the outside circumference of a wheel hub toward the outer rim of the wheel drum, and dimensioned and configured such that the inner side-walls of the wheel are protected by peripheral projections from environmental assault by debris.

2. The debris protective device according to claim 1, wherein the peripheral projections are gussets attached to the outside of the device in order to deflect debris away from the wheel and axle.

3. The debris protective device according to claim 2, wherein the gussets are spaced equidistantly.

4. The debris protective device according to claim 2, wherein the gussets are spaced 90 degrees apart.

5. The debris protective device according to claim 2, wherein the gussets have a trapezoidal shape with a non-parallel side adapted to abut the outer rim of the wheel drum.

6. The debris protective device according to claim 5, including a smaller gusset attached perpendicularly to the trapezoidal gusset.

7. The debris protective device according to claim 6, wherein the smaller gusset has a shape of a right angle triangle.

8. The debris protective device according to claim 4, wherein a first set of gussets have a triangular shape, a certain size and perpendicularly abut the outer rim of the wheel drum.

9. The debris protective device according to claim 8, including a second set of gussets having an elongated shape greater in length than said first set of gussets, having a truncated trapezoidal shape, and positioned 45 degrees askew from the first set of gussets and abutting the wheel hub.

10. The debris protective device according to claim 9, wherein the second set of gussets are positioned perpendicular to the wheel hub.